Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/18/2022 09:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125016	0	1.31	124990	1.26
Blue	F	SSC	125000	123802	-1	2.48	124387	2.37
Blue	E	FITC	13602	13281	-3	2.20	371	13.79
Blue	D	PE	24891	24632	-2	1.63	584	10.59
Blue	B	PerCP-Cy5-5	33972	33444	-2	2.91	953	14.78
Blue	A	PE-Cy7	22865	23053	0	4.81	481	30.63
Red	C	APC	47198	47136	-1	2.67	1628	11.57
Red	A	APC-Cy7	26454	25832	-3	3.02	733	12.05
Violet	B	V450	6737	6510	-4	3.30	454	11.48
Violet	A	V500	29317	28117	-5	2.99	963	8.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24136	2.40	561	26	N/A	N/A	Pass
Blue	F	SSC	55832	1.88	520	-1	N/A	N/A	Pass
Blue	E	FITC	57	51.89	487	3	0.0390	42	Pass
Blue	D	PE	113	37.53	490	4	0.3472	218	Pass
Blue	B	PerCP-Cy5-5	152	40.56	584	5	0.0201	67	Pass
Blue	A	PE-Cy7	82	78.03	628	7	0.0219	0	Pass
Red	C	APC	341	25.85	576	4	0.0274	163	Pass
Red	A	APC-Cy7	137	35.42	553	2	0.0069	1908	Pass
Violet	B	V450	78	45.62	454	4	0.0502	1860	Pass
Violet	A	V500	114	29.91	473	4	0.0274	852	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.57	-31.39	1.01
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.08	13.90 - 20.86	N/A	N/A	29.78	30.03	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9531

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments